



MISSOURI BOTANICAL GARDEN

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GEORGE ENGELMANN BOTANICAL NOTEBOOKS

Pagination Note:
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Abies Canadensis Mich. Flora Bor. Am. II. 206

Nutt. Sylv. M. 132

Ngon

Hook. Fl. Bor. Am. II. 162

(see Newberry in Proc. R. R. IV. vol. p. 38.)

Tsuga —

~~Canadensis~~ 189

Picea

Liebm. Linnaea XL 124

Pines

Liu



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Abies Williamsoni Newberry in *P. R. R. vi. pl. 53*
a. icon.

Picea



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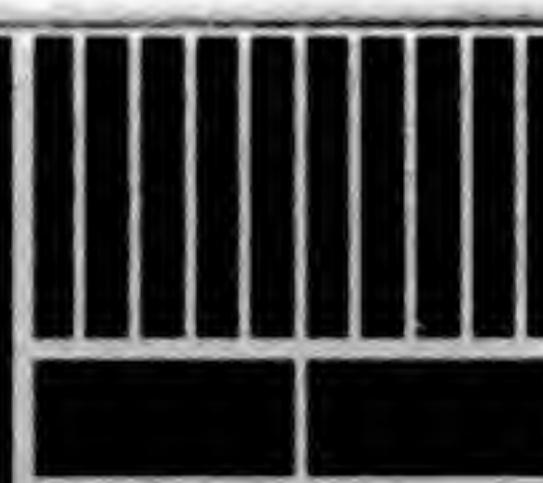
MISSOURI
BOTANICAL
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Rec'd July 20th
Ans same day

Louisville Ky 18 July 72

Dr. Karp *Ligustrum*

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= *Neotata*

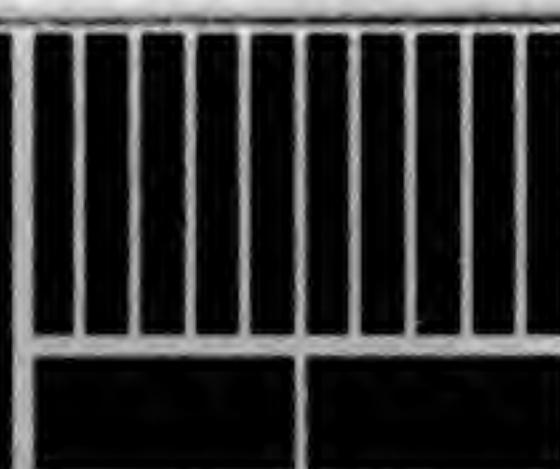
Abies Bridgesii Kellogg Proc. Acad. 2. p. 37 =

Abies Albertiana A. Marr. on the synapomorphs of various
conifers p. 9 = *Neotata*

~~*A. Lubralpina* Engelm.~~ ~~Field & Found~~ 1876

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April 27. N^o 47 p. 573. "Abies Pottiana", Jeffry introduced by him and
Abies Hookeriana was sent home at same time. Both, somewhat allied,
are totally distinct. A. Pott. has leaves green above, bluish beneath,
A. Hook. leaves glaucous all over. "The leaves also have a proper upper
surface, being rounded and densely set on the branches." [does this refer
to A. Hookeriana?] James MacNabb of Edinb. - Gard. Chron. April 27 1872
p. 573 t. 464



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according to Murray's description - Lawson's Pictures I can see little
difference between Abies Pattornii and A. Hooker-
iana. However the main points
according to Lawson's Pictures are as
follows - viz - "A. Pattornii grows to nearly
double the height of A. Hookeriana -
the former has dark brown cones and
the latter light fawn-color. Scales
of the former $\frac{1}{3}$ or $\frac{1}{2}$ smaller than
those of the latter; the scales of
the former are deeply crenulated
whilst those of the latter are not.
The bracts of A. Pattorniana contract
at about $\frac{2}{3}$ of their length from
the top, and have a projecting
purple ear immediately below
the contraction. A. Hookeriana
has no such ^{ear and the} contraction takes place
at $\frac{1}{3}$ from the top instead of $\frac{2}{3}$.
Seed and wing $\frac{1}{3}$ shorter in Pattornii
than in Hookeriana, and the wing
of the former has a purplish brown
tinge at the top and back which
is not in the latter. Hookeriana
has stomata on both sides of the
leaf - Pattornii on only one side.
also differs in size & arrangement.

Hookeriana has the margins of the
leaf smooth - Pattornii is distinctly
serrated toward the point. Cones
of the former slender & pointed.
Cones of the latter obovate nearly.

The foregoing comprise all the dif-
ference that I can trace out.



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Hoopes, Bro. & Thomas, Cherry Hill Nurseries,

Rec'd Jan 11
Ans - 12

West Chester, Pa. June 7-1872

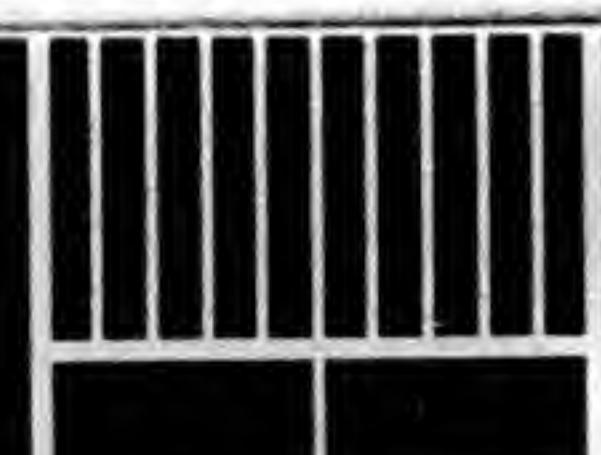
Josiah Hoopes writes:

Dr Geo Engelmann

My Dear Sir - Your kind
favor dated 30th ult is to hand -
I sail for Europe in two weeks &
I can assure you, I look forward
to it with great pleasure. We have
just passed through the most de-
structive winter I have ever known,
and I trust that I may never see
such another. Many of my fine
specimens are killed and others badly
disfigured. My old plants of
Cephalotaxus are on the brush-heap
Sawsonis Pinetum stopped several
months since, with the *Aris exelsa*
I think, however nothing new has
been described since. According

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Yadon H. S. Ed. Aug 30 1869.
Abies Pungens Rob Brown mis
from California proves to be
A Picea (per notches)



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Lamb. Pin. ed.

Pinus taxifolia Lambert Monog. p. 51 t. 33. Lamb. Pin. Ed 2. t. 47 Oregon

Push II. 640

Lamb. Pin. ed. 2. t. 47.

= *Abies Douglasii* ^{Fr. Mett.}
^{sy}

= *A. Canadensis* var.
fr. Hook. Jr.



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Pinus mertensiana Dang. Sitzs. Acad. Petob. VI. 2. p. 163

Hochfl. Ber. A. II. 163

Abies

Lindl. Journ. Hort. Soc. V. 211

Camer. Cong. 232

Pinus

Part Conif. III.



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Pinus
Abies mertensia Lind.

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Abies Canadensis Lin Sp. pl. (Cod. Lin 7249)
 Abies — Mich Fl. II. 206 Mich Arb. I. p. 137 (t. 140)
 P. — Parsh. II. 640
 P. — DeRoi Harb. 2. t. 124 = *P. alba* for *Parsh. II. 640*
Elliott Fl. 639
 Abies. — Chapm. 434
 — — Nutt Sylw. III p. 133 Oregon
 Pinus — Hook Fl. bor-am. II. 164.
 Abies — Gardner Illan. 423
 — — Loud. Arb. IV. p. 2322.
 — — Mich Sylva (ed. americ. 1842) II p. 174 t. 149
 Pinus — Endl. Conif 86



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